



# Scatter Plots on the TI-84

## Step 1: Make a Scatter Plot.

- Enter the x-values in L1 and y-values in L2
  - > STAT; ENTER; *x-value*; ENTER; *x-value*; ENTER; .....
- Set the viewing window to fit the data
  - > WINDOW; adjust mins/max/scl for data
- Use STAT PLOT to graph a scatter plot.
  - > 2nd Y= [STAT PLOT]; ENTER; GRAPH

## Step 2: Find the equation of a regression line.

- Find the regression equation by selecting LinReg(ax+b) on the STAT CALC menu.
  - > STAT; ► ; 4; ENTER
- If the values of *r* are not displayed go to:
  - > 2nd; 0 [CATALOG]; Scroll down to DiagnosticOn; ENTER

## Step 3: Graph the regression equation.

- Copy the equation to the Y= list and graph.
  - > Y=; VARS; 5; ► ; ► ; 1; GRAPH

## Step 4: Predict using the function.

- Find *y* when *x*=\_\_\_\_. Use VALUE on the CALC menu.
  - > 2nd TRACE [CALC]; 1; *x-value* \_\_\_\_; ENTER